











SEE
NOTE #7

(16)

(37) (39)
TYP 2
PLCS

SEE NOTE #

LEGEND

	= SWITCH, PUSH BUTTON		= CONTACT, NORMALLY CLOSED
	= MOTOR		= PRESSURE SWITCH
	= SOLENOID		= TERMINAL
	= LIGHT	PB	= PUSH BUTTON
	= CONTROL RELAY	TB	= TERMINAL BLOCK
	= CONTACTOR	NC	= NORMALLY CLOSED
	= CONTACT, NORMALLY OPEN	NO	= NORMALLY OPEN
		LWCO	= LOW WATER CUTOUT
		CU	= CONTROL UNIT

WIRE COLOR — WIRE CODE — WIRE NUMBER
BL12


WIRE COLOR CODE

B = BLACK (17)
R = RED (19)
G = GREEN (21)
W = WHITE (24)

10 GA GREEN (25) AND CONNECTOR (29)
POWER WIRE (26) AND CONNECTORS (30)
(58) = NUT FOR GROUND CONNECTION
ON PRESSURE SWITCH

- NOTES:

1. ROUTE ALL PROBE WIRES AND PROBE GROUNDS SEPERATE FROM ALL OTHER CONTROL AND POWER WIRING. IF PROBE WIRES CROSS ANY OTHER WIRES, THEY MUST CROSS AT 90° TO THOSE WIRES.
2. BOTH ENDS OF EACH WIRE MUST HAVE WIRE NUMBER MARKERS ATTACHED.
3. FOR WIRING LABEL, SEE DWG C170-300588-740.
4. MAIN CONTROL WIRE (B1) TO BE ATTACHED TO CENTER PRONG OF FUSE HOLDER.
5. ALL POWER WIRES RATED 125°C MINIMUM PER U.L. FILE.
6. FOR AUX. LOW WATER CUTOFF PART NUMBERS SEE BOILER TOP LEVEL ITEM #15.
7. DOOR INTERLOCK PUSH BUTTON LOCATED BETWEEN DOOR LATCH AND DOOR BAFFLES.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ±1/32 .XX ±0.01 ±2° .XXX ±0.005	CONTRACT NO		Chromalox®		E.L. WIEGAND DIV. EMERSON ELECTRIC CO. OGDEN, UTAH 84404			
	USED ON		WIRING DIAGRAM—PANEL LAYOUT CES—180C, 480V, 180KW, 3PH W/ ANTI-FLOOD, DOOR INTERLOCK & AUX LWCO					
MATERIALS	APPROVALS		DATE					
	DWN	TCN	4-21-93					
FINISH	CHKR	MLJ	4-21-93					
	ENGR	MJD	4-21-93					
THIS DRAWING AND THE SUBJECT MATTER SHOWN HEREON IS CONSIDERED CONFIDENTIAL AND MAY BE PROPRIETARY. UN- AUTHORIZED DISCLOSURE TO OTHER PARTIES IS EXPRESSLY FORBIDDEN.	APVD	SWH	4-21-93		SIZE	CODE IDENT NO	DRAWING NO	REV
	DWO	739361	PC#		D	07131	337-300552-740	0
	CAD NO	9D6FWQKK		SCALE	NTS		DO NOT SCALE DRAWING	SHEET 1 OF 1